

1 Q. Please provide numbers of transmission terminal stations on the system (high side
2 at 230kV or 138kV), the numbers of distribution substations (low side supplying
3 distribution system), and the miles of, and numbers of circuits, transmission,
4 subtransmission, and distribution lines by voltage.

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7 A. PUB-NLH-101 Attachment 1 provides the requested information on transmission
8 terminal stations, distribution substations, transmission, and distribution lines.

9 Hydro does not have any subtransmission on the Island Interconnected System.

NL Hydro Terminal Stations

| # | Terminal Station | Primary Voltage |
|----|---------------------------------|-----------------|
| 1 | Bay D'Espoir Stn #1 | 230 kV |
| 2 | Bay D'Espoir Stn #2 | 230 kV |
| 3 | Bottom Brook | 230 kV |
| 4 | Buchans | 230 kV |
| 5 | Cat Arm | 230 kV |
| 6 | Come By Chance | 230 kV |
| 7 | Deer Lake | 230 kV |
| 8 | Grand Falls Frequency Converter | 230 kV |
| 9 | Granite Canal | 230 kV |
| 10 | Hardwoods | 230 kV |
| 11 | Holyrood | 230 kV |
| 12 | Massey Drive | 230 kV |
| 13 | Oxen Pond | 230 kV |
| 14 | Stephenville | 230 kV |
| 15 | Stony Brook | 230 kV |
| 16 | Sunnyside | 230 kV |
| 17 | Upper Salmon | 230 kV |
| 18 | Voisey's Bay Nickel | 230 kV |
| 19 | Western Avalon | 230 kV |
| 20 | Bay L'Argent (Owned by others) | 138 kV |
| 21 | Bear Cove | 138 kV |
| 22 | Berry Hill | 138 kV |
| 23 | Bottom Waters | 138 kV |
| 24 | Doyles | 138 kV |
| 25 | Grandy Brook | 138 kV |
| 26 | Hinds Lake | 138 kV |
| 27 | Howley | 138 kV |
| 28 | Indian River | 138 kV |
| 29 | Monkstown (Owned by others) | 138 kV |

NL Hydro Terminal Stations

| # | Terminal Station | Primary Voltage |
|----|----------------------------------|-----------------|
| 30 | Peter's Barren | 138 kV |
| 31 | Plum Point | 138 kV |
| 32 | South Brook | 138 kV |
| 33 | Springdale | 138 kV |
| 34 | St. Anthony Airport | 138 kV |
| 35 | Hawkes Bay | 69 kV |
| 36 | Barchoix | 69 kV |
| 37 | Coney Arm | 69 kV |
| 38 | Conne River | 69 kV |
| 39 | Cow Head | 69 kV |
| 40 | English Harbour West | 69 kV |
| 41 | Hampden | 69 kV |
| 42 | Jackson's Arm | 69 kV |
| 43 | Main Brook | 69 kV |
| 44 | Parson's Pond | 69 kV |
| 45 | Rattle Brook (Owned by others) | 69 kV |
| 46 | Roddickton Woodchip | 69 kV |
| 47 | St. Anthony Diesel Plant | 69 kV |
| 48 | Star Lake (Owned by others) | 69 kV |
| 49 | Corner Brook Frequency Converter | 66 kV |
| 50 | Daniel's Harbour | 66 kV |
| 51 | Duck Pond | 66 kV |
| 52 | Farewell Head | 66 kV |
| 53 | Glenburnie | 66 kV |
| 54 | Grand Bay (Owned by others) | 66 kV |
| 55 | Rocky Harbour | 66 kV |
| 56 | Sally's Cove | 66 kV |
| 57 | Wiltondale | 66 kV |

NL Hydro Interconnected Distribution Substations

| # | Distribution Substation | Primary Voltage |
|----|-------------------------------------|-----------------|
| 1 | Beachside | 14.4 kV |
| 2 | Brent's Cove | 14.4 kV |
| 3 | Burgeo | 14.4 kV |
| 4 | Burlington | 14.4 kV |
| 5 | Change Islands | 14.4 kV |
| 6 | Coachman's Cove | 14.4 kV |
| 7 | Cook's Harbour | 14.4 kV |
| 8 | Croque | 14.4 kV |
| 9 | Fogo | 14.4 kV |
| 10 | Granite Canal Plant Station Service | 14.4 kV |
| 11 | Hinds Lake Plant Station Service | 14.4 kV |
| 12 | Jackson's Cove | 14.4 kV |
| 13 | Kona Beach | 14.4 kV |
| 14 | La Scie | 14.4 kV |
| 15 | Long Island Step-Down | 14.4 kV |
| 16 | Nipper's Harbour | 14.4 kV |
| 17 | Pass Island | 14.4 kV |
| 18 | Petit Forte | 14.4 kV |
| 19 | Port Anson | 14.4 kV |
| 20 | Raleigh | 14.4 kV |
| 21 | Robert's Arm | 14.4 kV |
| 22 | Southeast Bight | 14.4 kV |
| 23 | St. Anthony Hospital | 14.4 kV |
| 24 | St. Lunaire | 14.4 kV |
| 25 | Triton | 14.4 kV |
| 26 | Westport | 14.4 kV |

Island Interconnected Transmission

| Transmission Line Data NL Hydro | | | |
|---------------------------------|------------------|--------------------|--|
| Line Voltage | Line Length (km) | Number Of Circuits | |
| 230,000 v | 1605 | 24 | |
| 138,000 v | 1230 | 16 | |
| 69,000 v | 674 | 16 | |
| Total | 3509 | 56 | |

| Distribution Line Data at NL Hydro | | |
|------------------------------------|------------------|--------------------|
| Voltage(kV) | Line Length (km) | Number Of Circuits |
| 25 | 1398 | 26 |
| 12.5 | 1196 | 43 |
| 4.160 | 56 | 10 |
| Total | 2650 | 79 |